Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/24/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125370	0	1.48	125255	1.49
Blue	F	SSC	125000	122203	-3	2.48	122468	2.33
Blue	E	FITC	13131	12715	-4	2.53	293	15.99
Blue	D	PE	24112	23682	-2	2.00	542	11.01
Blue	B	PerCP-Cy5-5	31295	30575	-3	3.24	1011	14.97
Blue	A	PE-Cy7	19939	19637	-2	5.51	523	29.33
Red	C	APC	42122	41009	-3	2.85	1722	11.23
Red	A	APC-Cy7	22340	21779	-3	3.11	821	11.66
Violet	B	V450	7410	7081	-5	3.35	429	12.21
Violet	A	V500	28118	26892	-5	2.87	669	9.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23244	1.83	568	-1	N/A	N/A	Pass
Blue	F	SSC	56999	1.21	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0385	94	Pass
Blue	D	PE	113	37.53	490	2	0.3838	287	Pass
Blue	B	PerCP-Cy5-5	188	36.22	587	1	0.0185	39	Pass
Blue	A	PE-Cy7	105	69.05	630	2	0.0220	4	Pass
Red	C	APC	398	23.79	579	3	0.0289	206	Pass
Red	A	APC-Cy7	184	27.68	555	4	0.0062	1122	Pass
Violet	B	V450	59	62.82	462	9	0.0654	2310	Pass
Violet	A	V500	97	32.43	473	8	0.0261	595	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.48	-31.32	1.01
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.66	13.60 - 20.40	N/A	N/A	29.67	29.89	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 14155

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments